

## CLAIMS

What is Claimed is:

1. A computer implemented graphical user interface comprising:  
5 a first window for displaying selectable information in a hierarchical list format comprising recipe names and recipe contents;  
a second window for displaying summary information regarding a selected recipe of said first window, said second window comprising a first button; and  
a third window displayed in response to activation of said first button and  
10 comprising detail information regarding said selected recipe of said first window, said third window comprising a plurality of display portions for editing routing and formula contents of said selected recipe.
2. A graphical user interface as described in Claim 1 wherein said  
15 hierarchical list format is a tree structure comprising: project names; organization names; said recipe names; formula names; and routing names.
3. A graphical user interface as described in Claim 2 wherein said tree  
20 structure further comprises: laboratory name; product name; and owner name.
4. A graphical user interface as described in Claim 1 wherein said plurality  
of display portions comprise a routing editor window comprising line  
items, for display and editing, said line items representing operations of said routing  
contents of said selected recipe.
- 25 5. A graphical user interface as described in Claim 4 wherein said routing editor window is tab activated.

6. A graphical user interface as described in Claim 4 wherein each of said line items comprise an operation name and a repeat quantity.

7. A graphical user interface as described in Claim 4 wherein said routing editor window further comprises a second button that, when activated, displays a formula window comprising formula contents corresponding to a selected line item of said routing editor window, said formula contents for display and editing.

8. A graphical user interface as described in Claim 4 wherein said plurality of display portions further comprise a throughput window comprising throughput information for line items of said routing editor window.

9. A graphical user interface as described in Claim 8 wherein said throughput window is tab activated.

10. A graphical user interface as described in Claim 1 wherein said plurality of display portions comprise a routing editor window comprising a graphical flow diagram representing operations of said routing contents of said selected recipe.

11. A graphical user interface as described in Claim 1 wherein said plurality of display portions comprise a header display portion comprising: hierarchical organization information; a name of said selected recipe; an associated routing name; and an associated formula name.

12. A graphical user interface as described in Claim 1 further comprising: a search tool operable to enable a search function to search for recipes.

13. A graphical user interface as described in Claim 1 further comprising:  
a right mouse menu displayed in response to activating the right button on a  
pointing device, wherein said menu comprises: a contextual menu that gives access  
5 to standard functions; and specific options based on said selected recipe.

14. A graphical user interface as described in Claim 1 further comprising:  
a recipe creation window, wherein said recipe creation window is operable to  
edit product number and product quantity.

15. A graphical user interface as described in Claim 1 further comprising:  
a recipe quantity window, wherein said recipe step quantity window is  
operable to edit items comprising: recipe description; recipe type; activity factor;  
and capacity.

16. A graphical user interface as described in Claim 1 further comprising:  
a throughput editor window, wherein said throughput editor window is  
operable to edit line items relating to resources defined for throughput.

17. A graphical user interface as described in Claim 1 further comprising:  
a routing details window, wherein said routing details window is operable to  
edit detailed information on a routing.

18. A graphical user interface as described in Claim 1 further comprising:  
a recipe validity rules selection window, wherein said recipe validity rules  
selection window is operable to edit validity rules.